

IN THE CLAIMS:

1-5/(canceled)

6. (currently amended) An apparatus comprising:
an eye tracking system for determining an eye-gaze
direction line of a user looking at a display screen of a
display device;
an eye-gaze tracking module for extracting the eye-
gaze direction from the eye tracking system and for
determining the intersection point where the eye-gaze
direction line intersects with the screen;
wherein the eye-gaze tracking module sends the
intersection point data to a scalable video decoder;
wherein the scalable video decoder receives an encoded
video stream and provides a first set of higher video
resolution data for a first region surrounding the
intersection point on the display screen and a second set
of lower video resolution data to a second region of the
video screen that is different than the first region; and
The apparatus of claim 1,
wherein the second region on the video screen is
dimmer than the first region on the video screen.

7-12 (canceled)

13. (currently amended) An apparatus comprising:
an eye tracking system for determining an eye-gaze
direction line of a user looking at a display screen of a
display device;
an eye-gaze tracking module for extracting the eye-
gaze direction from the eye tracking system and for

determining the intersection point where the eye-gaze direction line intersects with the screen;

wherein the eye-gaze tracking module sends the intersection point data to a scalable video encoder;

wherein the scalable video encoder receives a source video stream and provides an encoded first set of higher video resolution data for a first region surrounding the intersection point on the screen and an encoded second set of lower video resolution data is provided for a second region of the screen that is different than the first region; and ~~The apparatus of claim 7,~~

wherein the second region on the video screen is dimmer than the first region on the video screen.

19. (currently amended) A method comprising:

determining an eye-gaze direction line of a user looking at a display screen;

determining an intersection point where the eye-gaze direction line intersects with the display screen;

providing to the display screen a first set of higher video resolution data for a first region surrounding the intersection point on the display screen and a second set of lower video resolution data for a second region of the video screen that is different than the first region; and ~~The method of claim 14,~~

wherein the second region on the video screen is dimmer than the first region on the video screen.